Mountain Weather Forecast

Lake District National Park

Forecast valid from 06:00 on Monday 23 Jan 2023 until 23:59 on Tuesday 24 Jan 2023

Forecast Issued on Monday 23 Jan 2023 at 04:00

Confidence: High for general pattern, lowering for cloud details.

Headline for Monday 23 Jan 2023: Cloudy with some patchy rain, this mainly in west. Fresh winds. Freezing level above summits.

Mountain weather hazards on Monday 23 Jan 2023

Blizzards No Likelihood	**Heavy persistent snow** No Likelihood	**Storm force winds** No Likelihood
Gales No Likelihood	**Severe chill effect** Low Likelihood	**Poor visibility** Medium Likelihood
Thunderstorms No Likelihood	**Heavy persistent rain** No Likelihood	**Strong sunlight** No Likelihood

Weather and chance of precipitation at 800m					
Time					
06:00	09:00	12:00	15:00	18:00	21:00
Cloudy	Cloudy	Cloudy	Light rain	Light rain	Drizzle
Precipitation probability					
20%	20%	20%	30%	40%	30%

Forecast for Monday 23 Jan 2023

Weather: Rather cloudy with some patchy light rain and drizzle, always focused in the west and turning persistent late afternoon and for the evening. Best of shelter in the east where some early brightness may develop.

Chance of cloud-free hill tops above 800m: 10-20% in west 30% in east

Low cloud and visibility: Good becoming moderate or poor in rain, very poor within cloud with bases frequently down to 500m, particularly in west.

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Mountain Weather Forecast

Forecast for Monday 23 Jan 2023

Height (m)	Wind Speed mean/gusts (mph) Wind Direction (blowing from)						
	06:00	09:00	12:00	15:00	18:00	21:00	00:00
900	25/30 S	23/28 S	22/27 S	21/26 S	18/23 S	18/23 S	18/23 S
600	22/30 S	20/27 S	19/27 S	17/23 S	15/21 S	15/20 S	13/19 S
300	5/20 S	5/17 S	7/18 S	6/17 S	5/15 S	5/15 S	5/15 S
Valley	1/13 S	3/14 S	6/16 S	6/14 S	6/14 S	6/14 S	6/14 S

Height (m)	Temperature / Feels Like (°C)						
	06:00	09:00	12:00	15:00	18:00	21:00	00:00
900	3/-3	3/-3	2/-4	2/-4	2/-4	2/-4	2/-4
600	4/-2	4/-2	3/-2	3/-2	3/-2	3/-2	3/-1
300	4/2	3/1	4/1	4/2	4/2	4/2	4/2
Valley	4/3	4/3	5/3	5/3	6/4	6/4	6/4
Freezing Level*	1800m	1800m	1800m	1800m	1700m	1700m	1600m

**Level above which ground is expected to be frozen/snow is expected to settle.*

Meteorologist's View

Extensive hill fog in west, particularly late in the day. Occasional severe wind chill across highest summits.

Forecast for Tuesday 24 Jan 2023

Weather: Cloudy with patchy light rain and drizzle, most persistent over western areas of the park.

Maximum wind: South southwest 15mph

Chance of cloud-free hill tops above 800m: 10% or less

Low cloud and visibility: Good becoming moderate or poor in rain and drizzle, very poor within cloud with bases quite extensive down to 500m, particularly in the west.

Temperature: **Valleys:** Minus 1 Celsius increasing 8 Celsius during the afternoon
At 800m: Plus 2 Celsius
Freezing level: Above summits

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Mountain Weather Forecast

Ground Conditions Supplement

Date: Sunday 22 January Location: Helvellyn summit at 14:30. Full report: A cloudy & challenging day as the freezing level rose to above the highest summits. The snow level is around 500m and rising slowly Above 700m snow, compressed by walkers feet, was still firm and icy and crampons and an ice axe were essential for a safe ascent and descent of Swirral Edge. Walkers using microspikes on this terrain today reported very slippery and insecure conditions and there were plenty of slips and near misses. Away from paths and trails the snow was soft, wet and generally up to boot deep. The Helvellyn plateau was still covered in ice and rime. Low cloud and near white out conditions at times made navigation tricky and it was very easy to stray too near to the cornices that exist above N through E aspects. These will become increasingly unstable with the freezing level above the summits so please continue to give them a wide berth After a week of cold dry conditions with plenty of sunshine the relatively warmer but cloudier & wetter environment today felt a lot colder and more challenging. Full winter clothing including plenty of spare warm and waterproof layers, hats & gloves, stiff winter walking boots, a reliable & appropriate method of navigation and a headtorch are all essential for anyone venturing out. Microspikes and trekking poles are also very useful as many of the large patches of ice are proving very resistant to the thaw. Crampons & an ice axe are still essential for routes on steep and exposed terrain including the Hellvellyn Edges. Any drop in temperature will quickly refreeze the snowpack giving serious and icy conditions. Temperature: minus 0.3C, Maximum wind speed 24.9mph, Wind chill: minus 9.2C, Average wind speed: 21.4mph

Issued at: 04:00 on Mon 23 Jan 2023

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